

METHOD AND APPARATUS FOR GENERATING AN EMERGENT MODEL ON  
A COMPUTER NETWORK

ABSTRACT OF THE DISCLOSURE

5           Generation of an emergent model on a computer network comprises generating  
data objects and/or function objects, publishing references to the data objects and/or the  
function objects and subscribing to the data objects and/or the functions by creating  
relationships between the data objects and/or the function objects through referencing  
data objects and/or function objects within the function objects, thereby linking the data  
10 objects and/or the function objects, wherein networks of linked data objects and/or  
function objects emerge. The emergent linked data objects and/or function objects are  
make available for further linking with other data objects and/or function objects and  
messages are sent to referencing data objects and/or function objects when referenced  
data objects and/or referenced function objects change. The functions are solved when  
15 the messages are received. The data objects and/or the function objects are stored in a  
distributed manner across multiple computing devices on a computer network. The  
emergent network of linked data objects and/or function objects are independently  
published to, and subscribed to, in a manner free of a globally predefined network of  
data objects and/or function objects, thereby generating the emergent model.

20250320 10:53:26